

Remarks

Claims 1-11 and 16 are pending the instant application. Claims 1, 6, and 16 are amended above to remove reference to the "Holeisyn" corn line and to claim the seeds and plants belonging to the lines that have been deposited in accordance with the Budapest Treaty. Claim 16 has been further amended to clarify the method claimed. Claims 4, 5, 10, and 11 are amended for clarification and to properly depend from their independent claim. Claims 18 through 22 have been added to properly claim the individual corn lines disclosed in the instant application. Applicant asserts no new matter has been added by this amendment. Upon the entry of this amendment, claims 1-11, 16, and 18-22 will be pending in this application.

Applicant believes that the §112, first paragraph rejection set forth at page 2 of the Office Action has been obviated by the above amendments to claims 1, 6, and 16, incorporating the three deposited lines, indicated by the Examiner as enabled on page 4 of the Office Action.

Finally, Applicant respectfully asserts that the §112, first paragraph rejection at page 4 of the Office Action is also obviated by the amendments to the claims and reconsideration is requested.

In view of the foregoing, Applicants believe that all claims as currently pending are in condition for allowance, and such action is respectfully requested.

The Commissioner is hereby authorized to charge to Deposit Account 19-0065 any fees under 37 CFR 1.16 or 1.17 as required by this paper.

Applicant invites the Examiner to call the undersigned if clarification is needed on any part of this Amendment, or if the Examiner believes that a telephone interview would expedite prosecution of the subject application to completion.

Respectfully submitted,



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MARKED-UP VERSION OF CLAIMS

Please amend claims 1, 4, 5, 6, 10, 11, and 16 as follows:

1. An assemblage of corn seeds, ~~derived from the high oleic line "Holeisyn,"~~ obtained from a plant or plants belonging to a corn line selected from the group consisting of LS0417 (ATCC Accession No. PTA-1397), LS1498 (ATCC Accession No. PTA-1396), LS288 (ATCC Accession No. PTA-3642), and sublines produced therefrom, said assemblage having a mean saturate content of less than about 7.0%, a mean oleic acid content of at least 64.9%, and a mean linoleic acid content of 27.4% or less, by weight relative to the total fatty acid content of said seed.

4. The assemblage of corn seeds according to claim 1, wherein said seeds being are obtained from a plant or plants belonging to ~~a corn line selected from the group consisting of the~~ LS0417 (ATCC Accession No. PTA-1397) corn line, ~~LS1498 (ATCC Accession No. PTA-1396), LS288 (ATCC Accession No. PTA-3642),~~ or sublines produced therefrom.

5. The assemblage of corn seeds according to claim ~~4~~ 1, wherein said seeds are obtained from a plant or plants belonging to the LS1498 (ATCC Accession No. PTA-1396) corn line, or sublines produced therefrom.

6. A corn plant, ~~derived from the high oleic line "Holeisyn,"~~ belonging to a corn line selected from the group consisting of LS0417 (ATCC Accession No. PTA-1397), LS1498 (ATCC Accession No. PTA-1396), LS288 (ATCC Accession No. PTA-3642), and sublines produced therefrom, ~~that produces~~ said plant producing seeds having a mean saturate content of less than about 7.0%, a mean oleic acid content of at least 64.9%, and a mean linoleic acid content of 27.4% or less, by weight relative to the total fatty acid content of said seeds.

10. The corn plant according to claim 6, wherein said corn plant belongs to ~~a corn line selected from the group consisting of~~ LS1498 (ATCC Accession No. PTA-1396), LS288 (ATCC

~~Accession No. PTA-3642), and the~~ LS0417 (ATCC Accession No. PTA-1397) corn line, or sublines  
a subline produced therefrom.

11. The corn plant according to claim ~~10~~ 6, wherein said corn plant belongs to the LS1498  
(ATCC Accession No. PTA-1396) corn line, or a subline produced therefrom.

16. A method for producing low saturate corn material, comprising the steps of:

(a) obtaining a plurality of corn seeds, ~~derived from the high oleic line "Holeisyn,"~~  
from a plant or plants belonging to corn line selected from the group consisting of LS0417  
(ATCC Accession No. PTA-1397), LS1498 (ATCC Accession No. PTA-1396), LS288  
(ATCC Accession No. PTA-3642), and sublines produced therefrom, said corn seeds having  
a mean saturate content of less than about 7.0%, a mean oleic acid content of at least 64.9%,  
and a mean linoleic acid content of 27.4% or less;

(b) growing out said plurality of corn seeds to obtain a population of corn plants;

(c) intermating plants ~~comprising from~~ from said population to produce first seeds;

(d) subjecting said first seeds to selection based on saturate content, such that a  
predetermined saturate percentage of said first seeds is retained and plants grown from said  
predetermined percentage of seeds are intermated to produce second seeds; ~~and~~

(e) growing said selected seeds into plants;

(f) intermating said plants to produce second seeds; and

~~(e)~~ (g) with said second seeds obtained, repeating steps (b), (c), ~~and (d), (e), and (f)~~ at  
least once, whereby plants producing seeds that have a mean saturate content of less than  
about 7.0% by weight are obtained.

Please add the following new claims 18-22:

18. (Added) The assemblage of corn seeds according to claim 1, wherein said seeds are obtained from a plant or plants belonging to the LS288 (ATCC Accession No. PTA-3642) corn line, or sublines produced therefrom.

19. (Added) The corn plant according to claim 6, wherein said plant belongs to the LS288 (ATCC Accession No. PTA-3642) corn line, or a subline produced therefrom.

20. (Added) The method according to claim 16, wherein said corn seeds are obtained from a plant or plants from the LS0417 (ATCC Accession No. PTA-1397) corn line, or sublines produced therefrom.

21. (Added) The method according to claim 16, wherein said corn seeds are obtained from a plant or plants from the LS1498 (ATCC Accession No. PTA-1396), corn line or sublines produced therefrom.

22. (Added) The method according to claim 16, wherein said corn seeds are obtained from a plant or plants from the LS288 (ATCC Accession No. PTA-3642), corn line, or sublines produced therefrom.